

DATA

D_{H_2O}
Schol H_2O

D_{H_2O} with.

Cornstarch
 $Cu(NO_3)_2$
 $NaCl$
 $CaCl_2$

$NaCl$
 vs
 $CaCl_2$
 "Equal" amounts

Oct 20-7:31 AM

Chap 5

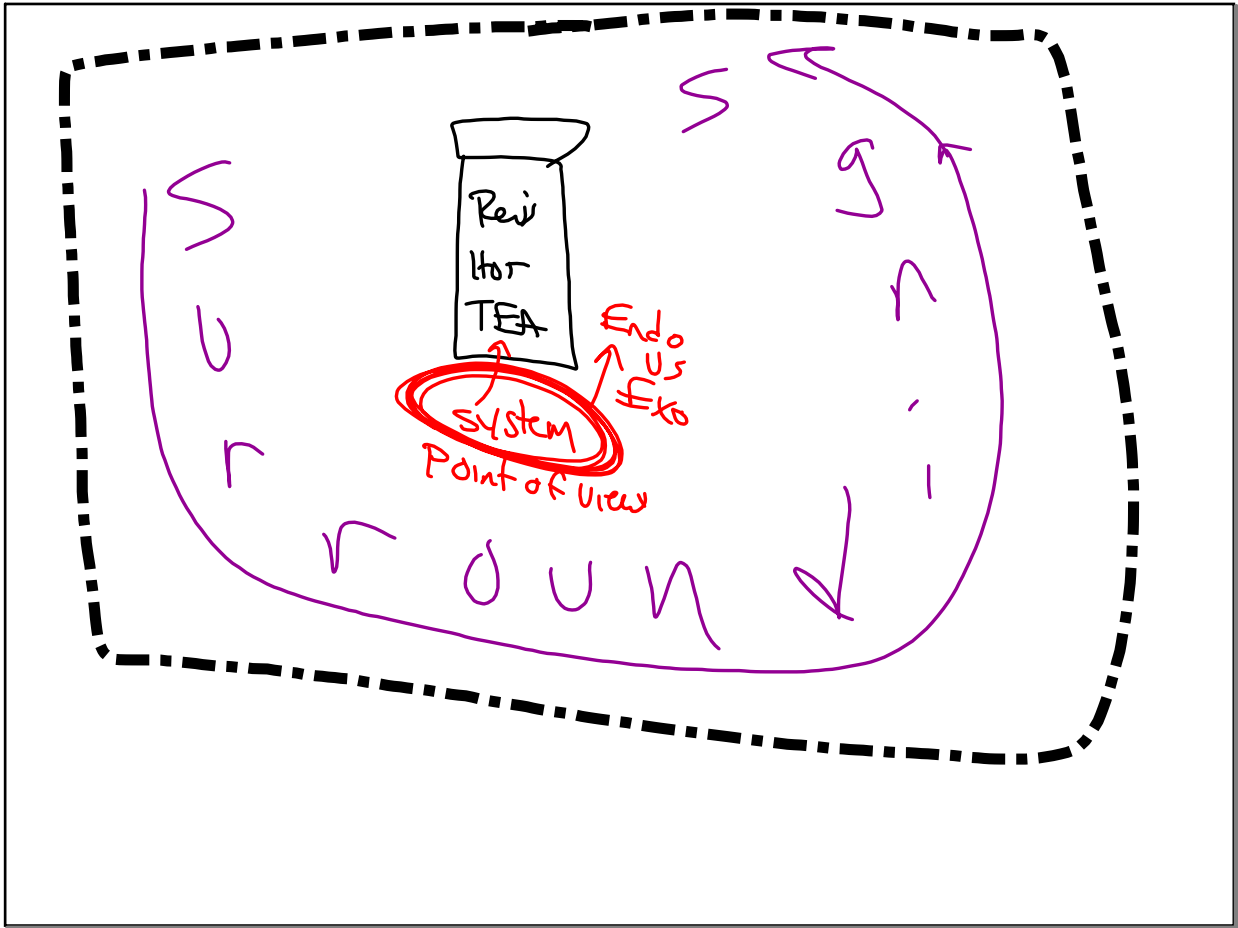
Thermodynamics

HEAT motion change

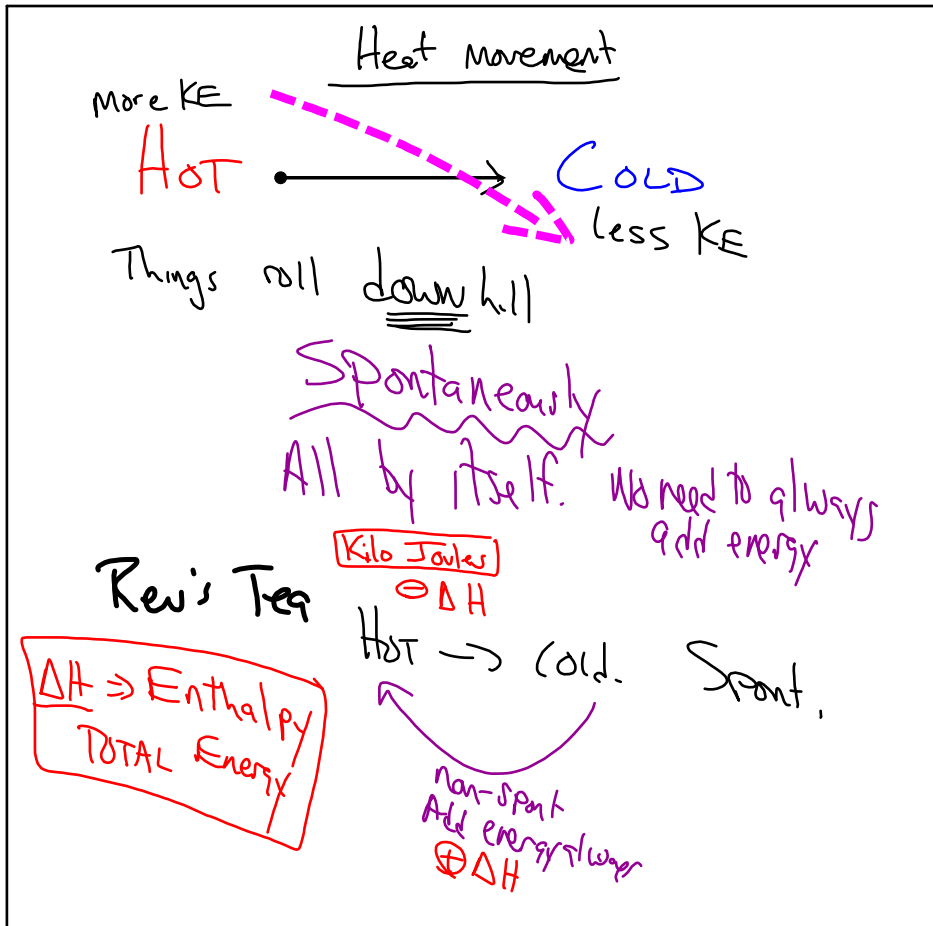
EndoThermic
 heat is absorbed
 Heat "Enters"

ExoThermic
 heat is released
 HEAT EXITS

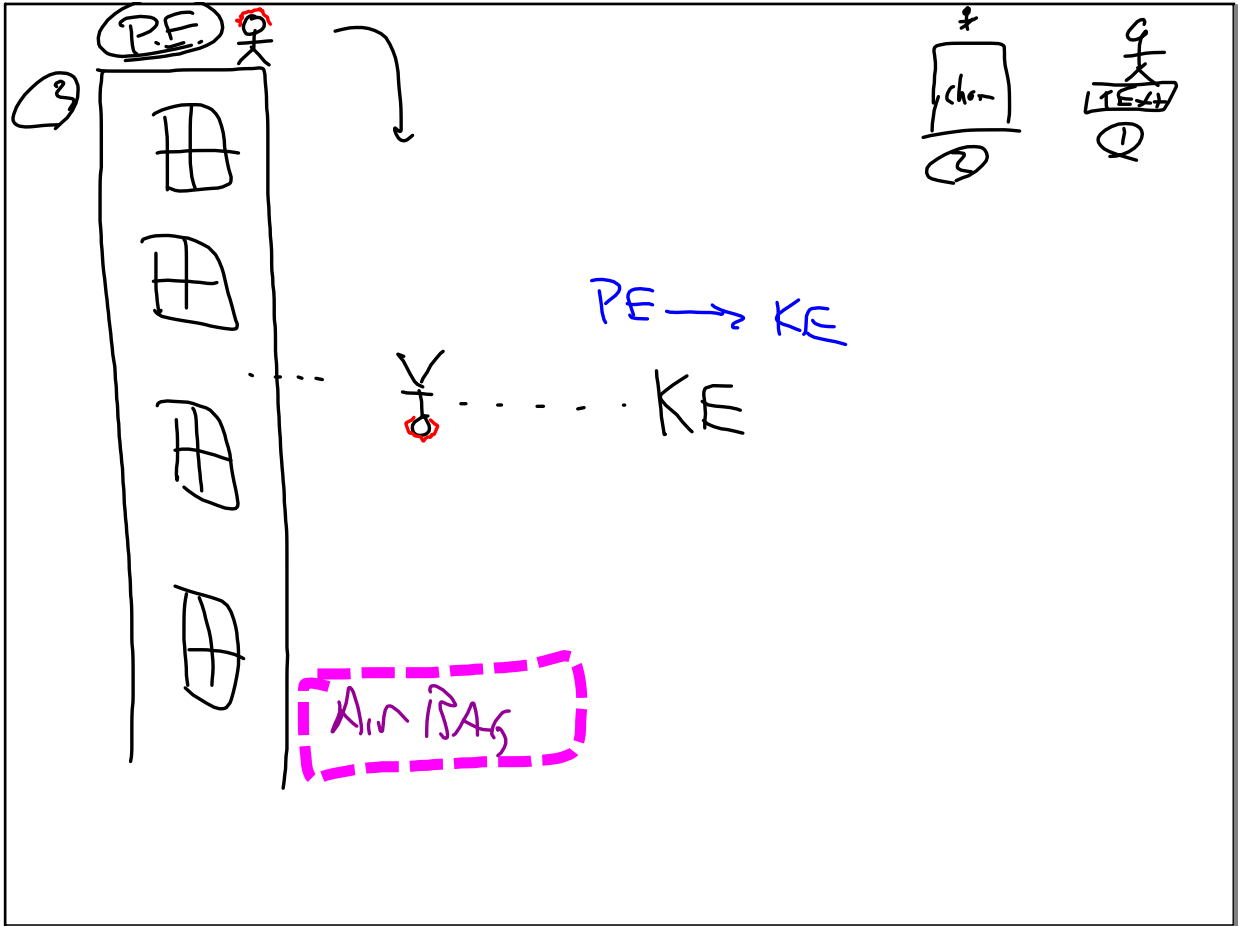
Oct 20-8:19 AM



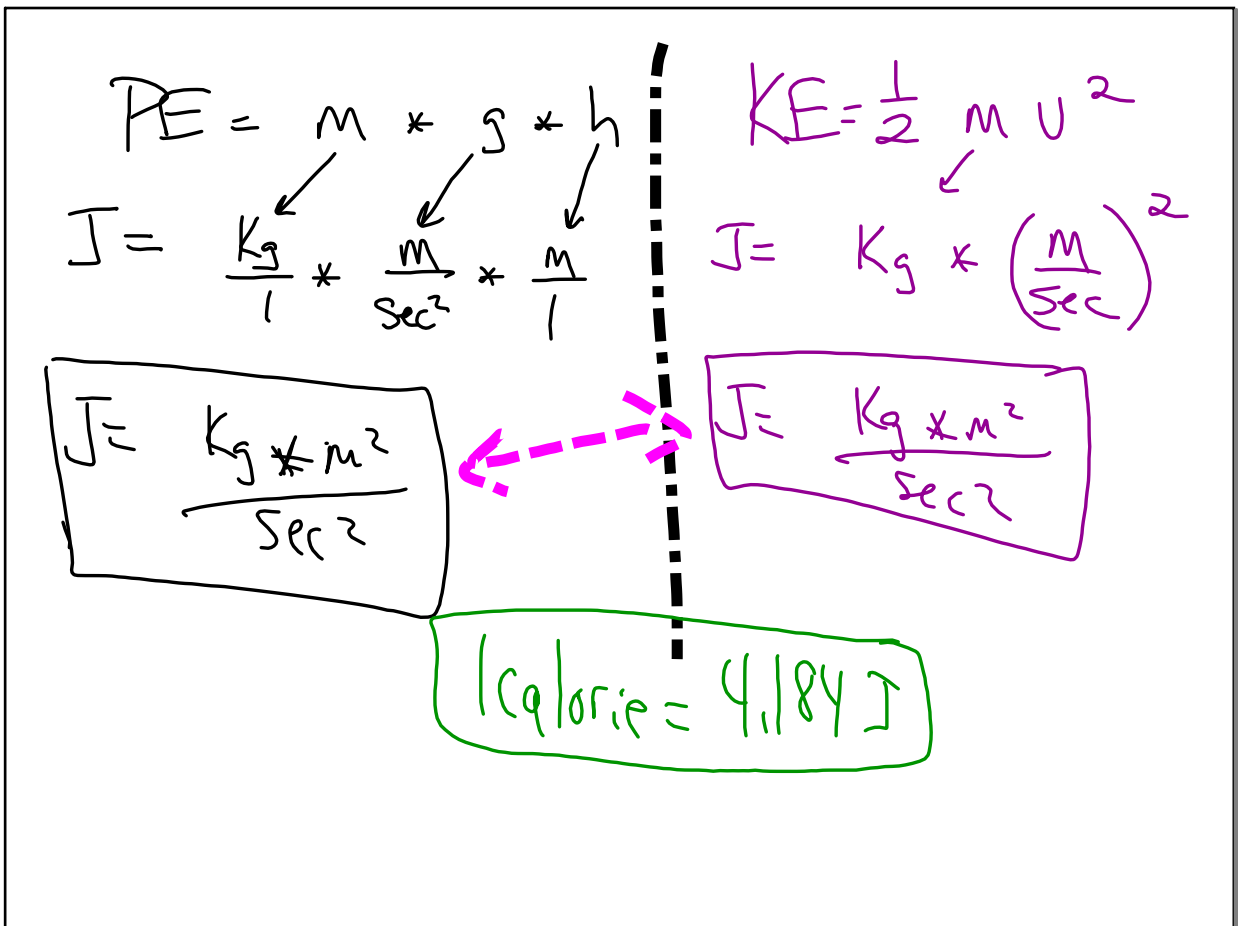
Oct 20-8:26 AM



Oct 20-8:28 AM



Oct 20-8:37 AM



Oct 20-8:51 AM

3 LAWS OF Thermodynamics

① Heat \leftrightarrow Work. (s)
 $W = f * d$
force * distance

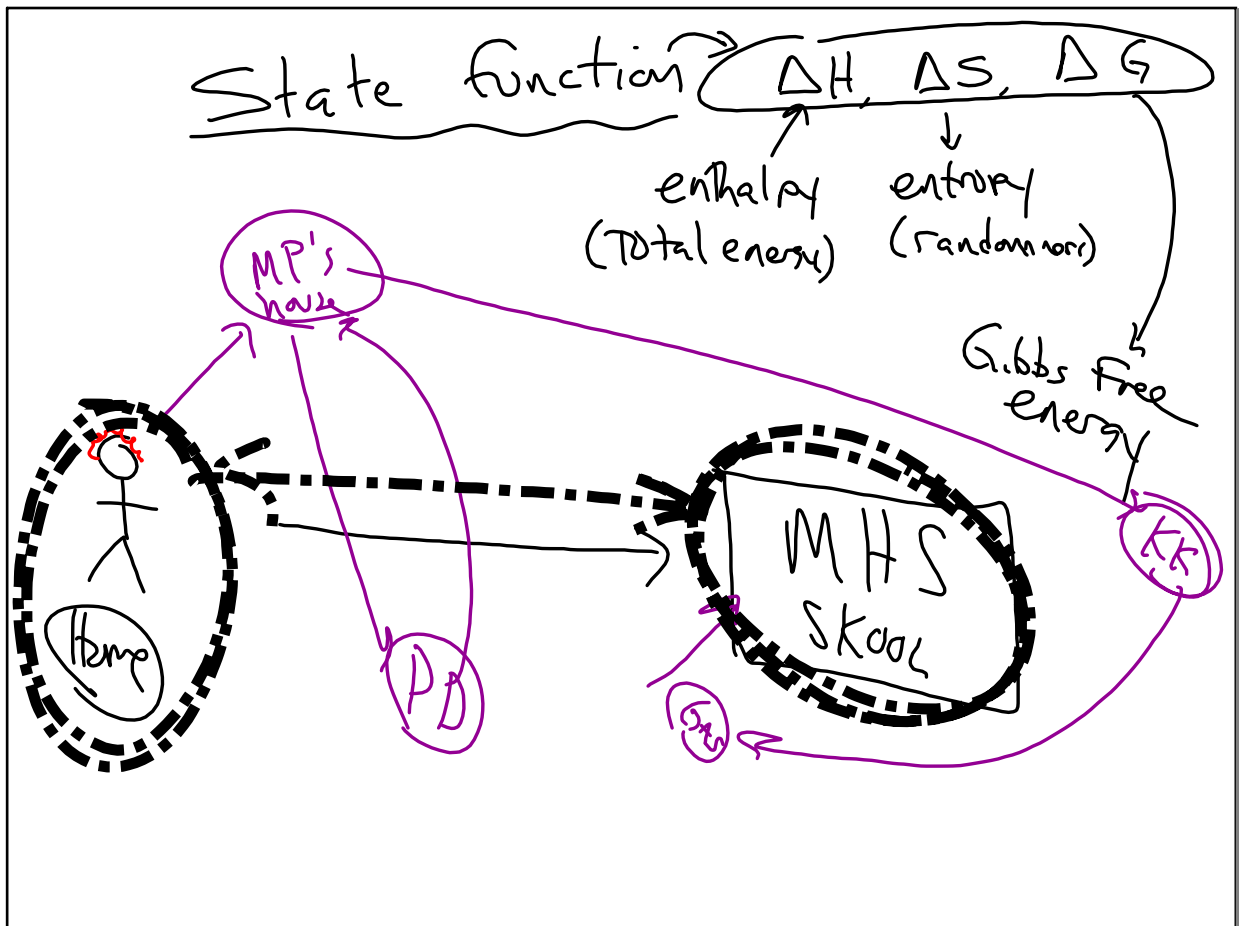
② Heat moves Spontaneously from **Hot** \rightarrow **Cold**

- ⓐ Radiation - energy transmitted in waves
Sun \rightarrow ☀
- ⓑ Conduction - contact \rightarrow Touch.
- ⓒ Convection - Air currents (home oven)

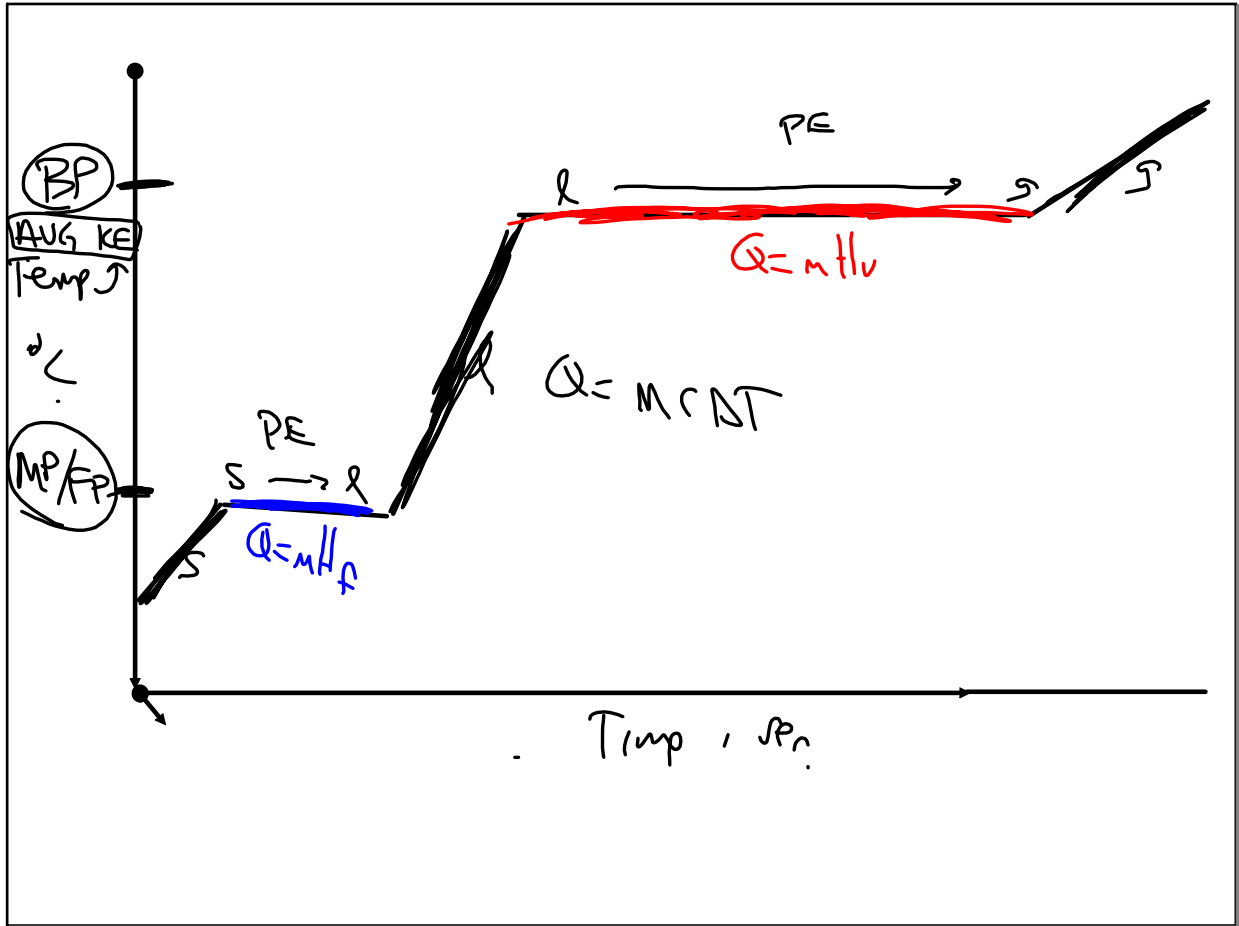
③ No energy for an element to be in its elemental state. Fe (s)

Fe (s) $\xrightarrow{\text{heat}}$ Fe (l) $\xrightarrow{\text{Lots of HEAT}}$ Fe (g)

Oct 20-9:01 AM



Oct 20-9:22 AM



Oct 20-9:27 AM

AW $S/14$
 $PE = mgh$
 $KE = \frac{1}{2}mv^2$
 (LAB)

Oct 20-9:31 AM